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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

TECH CENTER 1600/2900

Applicants: Menon et al.

Serial No: 09/723,459

Filed: November 28, 2000

For: ANTI-AGING COSMETIC COMPOSITION AND METHOD
OF APPLICATION

Examiner: C. Ostrup

Art Unit: 1619

Atty. Docket: 680.0041USU

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DECLARATION UNDER 37 C.F.R. 1.131

I, Gopinathan K. Menon, declare the following:

That I received a doctorate degree (Ph.D.) from the University of Baroda (Gujarat, India) in 1974. I have been working in the field of skin biology for twenty years. I have been employed by Avon Products Co. for nine years.

That I and my coinventor conceived of applying compositions having crape myrtle extract to the skin in the United States prior to March 7, 2000. This invention is described in the attached Information Disclosure Document.

That I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section

1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.



Gopinathan K. Menon

8/26/02

Date



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Avon Place

AVON PRODUCTS, INC.

Suffern, NY 10901

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INVENTION DISCLOSURE DOCUMENT

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1. **NAME(S) OF INVENTOR(S).**
Isabella L. Morelli-Abrams, Gopinathan K. Menon, Ph.D

2. **SHORT TITLE OF INVENTION.**
USE OF CRAPE MYRTLE EXTRACT IN TOPICAL TREATMENT OF SKIN, MUCOUS MEMBRANES AND HAIR.

3. **PURPOSE AND DETAILED DESCRIPTION OF THE INVENTION.**
Boost the metabolism of skin cells with Crape Myrtle Extract and lead to anti-aging benefits of the skin. This can also be combined with other anti-oxidants, like Vit. E, Vit. C, Vitamin A (Retinol) and bioflavonoids to enhance anti-aging skin benefits. There could also be synergy with AHAs.

4. **HOW DOES THE INVENTION DIFFER FROM THE PRIOR ART; WHAT ARE ITS ADVANTAGES OR IMPROVEMENTS; WHAT ASPECT OF THE INVENTION IS NOVEL OR UNEXPECTED?**
Prior art has shown Crape Myrtle having anti-diabetic effects when taken internally by lowering the blood sugar level in diabetics. Since it has hypoglycemic effects on diabetics, we hypothesize that it will improve glucose metabolism in the skin improving skin's condition and enhance anti-aging benefits.

Secondly, aging is also caused by known enzymatic glycation of proteins by decreasing available free sugar in the skin. Crape Myrtle Extract will help in preventing the glycation in the skin.

In vitro assays have shown direct effect in skin cells inducing cell proliferation in fibroblasts and keratinocytes.

5. **CONCEPTION DATE. (PLEASE PROVIDE DAY, MONTH AND YEAR; IDENTIFY NOTEBOOK ENTRIES OR OTHER WRITTEN RECORDS.)**
In lab notebook # 7512-70 of Isabella Morelli-Abrams.

6. **REDUCTION TO PRACTICE, (WHEN WAS THE FORMULATION FIRST MADE; PLEASE PROVIDE DAY, MONTH AND YEAR; IDENTIFY NOTEBOOK ENTRIES OR OTHER WRITTEN RECORDS.)**
No formulations containing Crape Myrtle done yet.

7. **WHEN WAS THE INVENTION FIRST DISCLOSED TO OTHERS? (STATE WHEN, WHERE AND TO WHOM AND IDENTIFY APPROPRIATE RECORDS.)**
to Eugenia Theophilus and the Anti-Aging Team Members

8. **STATE WHEN AND WHERE THE INVENTION HAS BEEN USED OR SOLD. WAS THIS USE OR SALE EXPERIMENTAL OR SUBJECT TO SECRECY OBLIGATIONS?**
This invention has not been used or sold as of this date.

9. HAVE YOU CONDUCTED A LITERATURE SEARCH OF PRIOR ART PATENTS AND PRINTED PUBLICATIONS? WHAT IS THE CLOSEST PRIOR ART?
Search was done on

10. WHAT IS THE COMMERCIAL APPLICATION FOR THIS INVENTION?
The commercial application of this invention is for the treatment of various cosmetic/skin or hair conditions to enhance anti-aging benefits.

Date and signature of inventor(s):

Isabella L. Morelli-Abrams
Isabella L. Morelli-Abrams

Gopinathan K. Menon
Gopinathan K. Menon

Read and understood:

Christina Wilson
Witness Date

CHRISTINA WILSON
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No. 450453
Cand. Exp. 12/31/2011
Commission Expires